

The Fronius logo is a red oval with the word "Fronius" in white, italicized, sans-serif font.

Fortis

270-500 XT

Economical and powerful

A true all-rounder. XT stands for Extended, as the Fortis Extended variant is designed for mains voltages from 200 to 600 V and can therefore be used around the world. Depending on the power category and the mains fuse, up to 320 A is possible in single-phase operation.

The Fortis XT is the ideal choice for businesses that value energy, efficiency, and performance. With its higher power factor, it is 16 % more energy-efficient than other Fortis variants.

Highlights of the Fortis series

- Compact welding machines up to 500 A
- Retrofitting of water cooling for 320, 400, 500 A versions possible at any time
- Split versions with external wirefeeder for an extended operating radius
- Duo variant: compact welding machines starting at 320 A can be combined with an additional wirefeeder
- One user interface for all variants
- Multiprocess (standard on the Fortis 270/320 Compact, optional on the Fortis 400/500 Compact)
- Connectivity (Wifi, Bluetooth, NFC optional)
- WeldCube Air, WeldCube Premium and WeldCube Navigator
- Intuitive operation (carrying handles, storage compartment, display protection, optimum working height)

Benefits of the XT variant

- Available in all power categories (270–500 A)
- Can be used worldwide
- Full generator compatibility
- Optimized welding performance due to higher output characteristics
- Energy savings of up to 16 % compared with the standard version
- CEL-compatible



Welding parameter wizard

The welding parameter wizard supports the welding specialist by recommending the ideal parameter settings for upcoming welding jobs.

All key welding parameters at a glance

Our clear, digital user interface allows you to keep a constant eye on the most important welding parameters. Fast process changes, more than 30 system languages to choose from, and customizable parameter settings are just a few of the highlights that make these devices extremely easy and intuitive to use.



Technical data

	Fortis 270 C /G/XT	Fortis 320 C /G/XT	Fortis 320 C /GW/XT	Fortis 320 /GW/XT	Fortis 400 C /GW/XT	Fortis 400 /GW/XT	Fortis 500 C /GW/XT	Fortis 500 /GW/XT
Weight	36,2 kg 79.8 lb	36,2 kg 79.8 lb	43,5 kg 95.9 lb	41,1 kg 90.6 lbs	43,5 kg 95.9 lb	41,1 kg 91.3 lb	43,5kg 95.9 lb	41,1 kg (91.3 lb)
Dimensions l x w x h	681 x 367 x 555 mm 26.8 x 14.4 x 21.9 in.				681 x 367 x 783 mm 26.8 x 14.4 x 30.8 in.			
Mains frequency	50/60 Hz							
Mains voltage	3 x 200–600 V 1 x 208/240 V							
Mains voltage tolerance	–10/+6 %							
40 % duty cycle [10 min / 40 °C]	270 A		320 A		400 A		500 A	
60 % duty cycle [10 min / 40 °C]	250 A		260 A		360 A		430 A	
100 % duty cycle [10 min / 40 °C]	210 A		240 A		320 A		360 A	
Welding current range								
MIG/MAG	3–270 A	3–320 A		3–320 A	3–400 A	3–400 A	3–500 A	3–500 A
TIG	3–270 A	3–320 A		–	3–400 A	–	3–500 A	–
MMA	10–270 A	10–320 A		–	10–400 A	–	10–500 A	–
Multiprocess	standard	standard		–	optional	–	optional	–
Open circuit voltage	max. 107 V							
Working voltage range								
MIG/MAG	14,2–27,5 V	14,2–30,0 V		14,2–30,0 V	14,2–34,0 V	14,2–34,0 V	14,2–39,0 V	14,2–39,0 V
TIG	10,1–20,8 V	10,1–22,8 V		–	10,1–26,0 V	–	10,1–22,8 V	–
MMA	20,4–30,8 V	20,4–32,8 V		–	20,4–36,0 V	–	20,4–32,8 V	–
Multiprocess	standard	standard		–	optional	–	optional	–
Wire speed		1–25 m/min 40–980 ipm		–	1–25 m/min 40–980 ipm	–	1–25 m/min 40–980 ipm	–
Wirefeeder		4-roller drive		–	4-roller drive	–	4-roller drive	–
Wire diameter		0,6–1,6 mm 0.023–0.06 in.		–	0,8–1,6 mm 0.03–0.06 in.	–	0,8–1,6 mm 0.03–0.06 in.	–
Protection class	IP23							
Mark of conformity	CE, S, UL/CSA							